CLAIMS

1	1.	(currently amended) A method for remotely adjusting a hearing aid of a user, comprising		
2	the steps of:			
3	_	generating a command via a first computer at a first location;		
4		transmitting the command to a second computer at a second location over a remote data link;		
5	sending	the command from the second computer to a digital signal processor in the hearing aid as		
6	a DTMF tone;			
7	outputti	ng a test tone from the digital signal processor based on the command to a user of a		
8	telephone weari	ng the hearing aid;		
9	receivin	ng a user response to the test tone over the remote data link; and		
10		ig the hearing aid based on the user response to the test tone, wherein:		
11	,	said adjusting step comprises the steps of:		
12		transmitting the user response to the first computer over the remote data link;		
13		retrieving a stored audiogram from memory based on an accuracy of the		
14	response; and	round and a diorect authorization from monitory business on an accountacy of the		
15	response, and	uploading the audiogram into the hearing aid of the user over the remote data		
16	link; and	aproading the audiogram into the hearing aid of the user over the remote data		
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17		said audiogram is a compensation curve for adjusting performance characteristics of the		
18	nearing aid base	ed on the user response.		
1	2.	(canceled)		
1	3.	(previously presented) The method of claim 1, wherein said receiving step comprises		
2		onse to the command into the second computer via a keyboard attached to the computer.		
1	4.	(original) The method of claim 1, wherein said receiving step comprises inputting a		
2	response to the	command via a key pad on the telephone.		
1	5-7.	(canceled)		
1		(currently amended) A method for adjusting a hearing aid of a user, comprising the steps		
2	of:			
3		ing a command via a computer;		
4	sending	the command to a digital signal processor in the hearing aid as a DTMF tone;		
5	outputti	ng a test tone from the digital signal processor based on the command to the user of a		
6	telephone weari	ng the hearing aid;		
7	receivin	ng a response to the test tone by the user;		
8		the response to the test tone by the user in the computer;		
9		ng a stored audiogram from memory based on an accuracy of the stored response; and		
10		ng the audiogram into the hearing aid of the user.		
1	9.	(canceled)		
1	10.	(previously presented) The method of claim 8, wherein said receiving step comprises		
2		onse to the command into the computer via a keyboard attached to the computer.		
1	11.	(original) The method of claim 8, wherein said receiving step comprises inputting a		
2		command via a keypad on the telephone.		
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1	12. (canceled)	
1 2 3	13. (previously presented) The method of claim 8, wherein said audiogram is a compensation curve for adjusting performance characteristics of the hearing aid based on the user response.	
1 2 3	14. (original) The method of claim 8, wherein the command is generated by a first computer at a first location and is received by a second computer at a second location, and said second computer sends the command to the digital processor.	
1	15-17. (canceled)	
1 2	18. (previously presented) The method of claim 8, wherein the step of sending the command to the digital signal processor is by a wireless link.	
1 2	19. (currently amended) A method for remotely adjusting a hearing aid of a user, comprising the steps of:	
3 4 5 6	generating a command via a first computer at a first location; transmitting the command to a second computer at a second location over a remote data link; sending the command from the second computer to a digital signal processor in the hearing aid as a DTMF tone;	
7	outputting a test tone from the digital signal processor based on the command to a user of a	
8 9 10 11 12	receiving a user response to the test tone over the remote data link; and adjusting the hearing aid based on the user response to the test tone, wherein said receiving step comprises inputting a response to the command into the second computer via a keyboard attached to the computer.	
1 2 3	20. (currently amended) A method for remotely adjusting a hearing aid of a user, comprising the steps of:	
5 5 6	generating a command via a first computer at a first location; transmitting the command to a second computer at a second location over a remote data link; sending the command from the second computer to a digital signal processor in the hearing aid as a DTMF tone;	
7 8	outputting a test tone from the digital signal processor based on the command to a user of a telephone wearing the hearing aid;	
9 10 11	receiving a user response to the test tone over the remote data link; and adjusting the hearing aid based on the user response to the test tone, wherein said adjusting steromprises the steps of:	
12 13	transmitting the user response to the first computer over the remote data link; determining an accuracy of the user response;	
14 15	retrieving a stored audiogram from memory based on the accuracy of the response; and uploading the stored audiogram into the hearing aid of the user over the remote data link.	
1 2	21. (currently amended) A method for adjusting a hearing aid of a user, comprising the steps of:	
3	generating a command via a computer;	
4	sending the command to a digital signal processor in the hearing aid as a DTMF tone;	
5	outputting a test tone from the digital signal processor based on the command to the user of a	
6	telephone wearing the hearing aid;	

7	receiving a response to the test tone by the user; and		
8	storing the response to the test tone by the user in the computer, wherein said receiving step		
9	comprises inputting a response to the command into the computer via a keyboard attached to the		
10			
-0	Computer.		
1	22. (currently amended) A method for adjusting a hearing aid of a user, comprising the steps		
1	() ,		
2	of:		
3	generating a command via a computer;		
4	sending the command to a digital signal processor in the hearing aid as a DTMF tone;		
5	outputting a test tone from the digital signal processor based on the command to the user of a		
6	6 telephone wearing the hearing aid;		
7	receiving a response to the test tone by the user; and		
8	storing the response to the test tone by the user in the computer, wherein the command is		
9			
10			
10	location, and said second computer sends the command to the digital processor.		
1	22 (((1-1)		
1	23-66. (canceled)		
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1	67. (new) A method for remotely performing a hearing test on a user of a hearing aid via a		
2	telephone system, the method comprising:		
3	transmitting a command from a remote computer over the telephone system to a telephone of the		
4	user;		
5 6	rendering the command, by the telephone, as a sound signal;		
6	receiving the sound signal at the hearing aid;		
7	generating a test signal, by a signal processor in the hearing aid, based on the sound signal;		
8	generating a test tone, by the hearing aid, based on the test signal;		
9	transmitting a user response to the test tone to the remote computer; and		
10	generating, by the remote computer, hearing test results for the user of the hearing aid based on		
11	the user response.		
	the user response.		
1	68. (new) The method of claim 67, wherein:		
2	the command is a DTMF signal;		
3			
	the sound signal is a DTMF tone;		
4	the test signal is different from the DTMF signal; and		
5	the test tone is different from the DTMF tone.		
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1	69. (new) The method of claim 67, further comprising:		
2	generating adjustments, at the remote computer, for the hearing aid based on the hearing test		
3	results; and		
4	transmitting the adjustments from the remote computer to the hearing aid to adjust operations of		
5	the hearing aid.		
1	70. (new) The method of claim 69, wherein:		
2	generating the adjustments comprises retrieving an audiogram from memory at the remote		
3			
4	transmitting the audiogram to the hearing aid.		
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1	71. (new) The method of claim 69, wherein:		
2	the adjustments are transmitted from the remote computer to the telephone via the telephone		
_	and adjustments are transmitted from the remote compater to the telephone via the telephone		

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system; and

4 the adjustments are transmitted from the telephone to the hearing aid as sound signals. 1 72. (new) The method of claim 71, wherein: 2 the adjustments are DTMF signals; and 3 the sound signals corresponding to the adjustments are DTMF tones. 1 73. (new) The method of claim 67, wherein the user response is entered by the user using a 2 key pad on the telephone and transmitted to the remote computer via the telephone system. 1 (new) The method of claim 67, wherein the user response is entered by the user into a 2 local computer and transmitted from the local computer to the remote computer. 1 75. (new) The method of claim 67, wherein the signal processor is a digital signal processor. 1 76. (new) A hearing aid, comprising a signal processor, adapted to support remote 2 performance of a hearing test on a user of the hearing aid via a telephone system, wherein: 3 the hearing aid is adapted to receive a sound signal from a telephone, the sound signal 4 corresponding to a command transmitted from a remote computer over the telephone system to the 5 telephone of the user, wherein the telephone rendered the command as the sound signal; 6 the signal processor is adapted to generate a test signal based on the sound signal; 7 the hearing aid is adapted to generate a test tone based on the test signal, wherein a user response 8 to the test tone is transmitted to the remote computer, which generates hearing test results for the user of 9 the hearing aid based on the user response. 1 77. (new) The hearing aid of claim 76, wherein: 2 the command is a DTMF signal; 3 the sound signal is a DTMF tone; 4 the test signal is different from the DTMF signal; and 5 the test tone is different from the DTMF tone. 1 78. (new) The hearing aid of claim 76, wherein the hearing aid is adapted to receive 2 adjustments generated at the remote computer based on the hearing test results, wherein the adjustments 3 adjust operations of the hearing aid. 1 79. (new) The hearing aid of claim 78, wherein the adjustments comprise an audiogram 2 retrieved from memory at the remote computer based on the hearing test results and transmitted to the 3 hearing aid. 1 80. (new) The hearing aid of claim 78, wherein: 2 the adjustments are transmitted from the remote computer to the telephone via the telephone 3 system; and 4 the adjustments are transmitted from the telephone to the hearing aid as sound signals. 1 81. (new) The hearing aid of claim 80, wherein: 2 the adjustments are DTMF signals; and 3 the sound signals corresponding to the adjustments are DTMF tones. 1 82. (new) The hearing aid of claim 76, wherein the user response is entered by the user 2 using a key pad on the telephone and transmitted to the remote computer via the telephone system.

1	83. (new) The hearing aid of claim 76, wherein the user response is entered by the user into	
2	a local computer and transmitted from the local computer to the remote computer.	
1	84. (new) The hearing aid of claim 76, wherein the signal processor is a digital signal	
2	processor.	
1	85. (new) A remote computer adapted to support remote performance of a hearing test on a	
2	user of a hearing aid via a telephone system, wherein the remote computer is adapted to:	
3	transmit a command over the telephone system to a telephone of the user, wherein:	
4	the telephone renders the command as a sound signal;	
5	the hearing aid receives the sound signal;	
6	a signal processor in the hearing aid generates a test signal based on the sound signal;	
7	the hearing aid generates a test tone based on the test signal;	
8	receive a user response to the test tone; and	
9	generate hearing test results for the user of the hearing aid based on the user response.	
1	86. (new) The remote computer of claim 85, wherein:	
2	the command is a DTMF signal;	
3	the sound signal is a DTMF tone;	
4	the test signal is different from the DTMF signal; and	
5	the test tone is different from the DTMF tone.	
1	87. (new) The remote computer of claim 85, wherein the remote computer is adapted to:	
2	generate adjustments based on the hearing test results; and	
3	transmit the adjustments to the hearing aid, wherein the adjustments adjust operations of the	
4	hearing aid.	
1	88. (new) The remote computer of claim 87, wherein the adjustments comprise an	
2	audiogram retrieved from memory at the remote computer based on the hearing test results and	
3	transmitted to the hearing aid.	
1	89. (new) The remote computer of claim 87, wherein:	
2	the remote computer is adapted to transmit the adjustments to the telephone via the telephone	
3	system; and	
4	the adjustments are transmitted from the telephone to the hearing aid as sound signals.	
1	90. (new) The remote computer of claim 89, wherein:	
2	the adjustments are DTMF signals; and	
3	the sound signals corresponding to the adjustments are DTMF tones.	
1	91. (new) The remote computer of claim 85, wherein:	
2	the user response is entered by the user using a key pad on the telephone; and	
3	the remote computer is adapted to receive the user response via the telephone system.	
1	92. (new) The remote computer of claim 85, wherein:	
2	the user response is entered by the user into a local computer; and	
3	the remote computer is adapted to receive the user response from the local computer.	

(new) The remote computer of claim 85, wherein the signal processor is a digital signal

1 2 93.

processor.

1	94. (new) A system for remotely performing a hearing test on a user of a hearing aid via a			
2	telephone system, the system comprising the hearing aid and a remote computer, wherein:			
3	the remote computer is adapted to transmit a command over the telephone system to a telephone			
4	of the user, wherein the telephone renders the command as a sound signal;			
5	the hearing aid is adapted to receive the sound signal;			
6	a signal processor in the hearing aid is adapted to generate a test signal based on the sound			
7	signal;			
8	the hearing aid is adapted to generate a test tone based on the test signal;			
9	the remote computer is adapted to receive a user response to the test tone; and			
10	the remote computer is adapted to generate hearing test results for the user of the hearing aid			
11	based on the user response.			
1	95. (new) The system of claim 94, wherein:			
1 2	the command is a DTMF signal;			
3	the sound signal is a DTMF tone;			
4	the test signal is different from the DTMF signal; and			
5	the test tone is different from the DTMF tone.			
1	96. (new) The system of claim 94, wherein:			
2	the remote computer is adapted to generate adjustments for the hearing aid based on the hearing			
3	test results; and			
4	the remote computer is adapted to transmit the adjustments to the hearing aid to adjust operations			
5	of the hearing aid.			
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1	97. (new) The system of claim 96, wherein the remote computer is adapted to:			
2	generate the adjustments by retrieving an audiogram from memory at the remote computer based			
3	on the hearing test results; and			
4	transmit the audiogram to the hearing aid.			
1	98. (new) The system of claim 96, wherein:			
2	the remote computer is adapted to transmit the adjustments to the telephone via the telephone			
3	system; and			
4	the adjustments are transmitted from the telephone to the hearing aid as sound signals.			
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1	99. (new) The system of claim 98, wherein:			
2	the adjustments are DTMF signals; and			
3	the sound signals corresponding to the adjustments are DTMF tones.			
1	100. (new) The system of claim 94, wherein:			
2	the user response is entered by the user using a key pad on the telephone; and			
3	the remote computer is adapted to receive the user response via the telephone system.			
1	101 (novi) The question of alaim 04 wherein:			
1	101. (new) The system of claim 94, wherein:			
2 3	the user response is entered by the user into a local computer; and			
3	the remote computer is adapted to receive the user response from the local computer.			

(new) The system of claim 94, wherein the signal processor is a digital signal processor.

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